



TITLE:

LABORATORIES OF VISITING PROFESSORS:
SOLID STATE CHEMISTRY-Structure Analysis,
FUNDAMENTAL MATERIAL PROPERTIES-
Composite Material Properties, SYNTHETIC
ORGANIC CHEMISTRY-Synthetic Theory

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LABORATORIES OF VISITING PROFESSORS

SOLID STATE CHEMISTRY — Structure Analysis —



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Lectures at ICR

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Lectures at ICR

Raman scattering study of solids

FUNDAMENTAL MATERIAL PROPERTIES — Composite Material Properties—



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Lectures at ICR

Micro-structure study and development of liquid crystal polymer film
Basic theory of microwave measurement for polymer segment orientation
Computer simulations of glossy filament fiber and gel permeation chromatography.
Theory and development of pervaporization separation membrane
Efficient development using a Taguchi-method for quality control



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Lectures at ICR

Bonding and electronic states of organic molecules on Si surfaces studied by synchrotron-radiation photoelectron spectroscopy and STM
Dynamical processes of adsorbed molecules on transition metal surfaces

SYNTHETIC ORGANIC CHEMISTRY — Synthetic Theory —



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Lectures at ICR

Acyl Nitroso Diels-Alder Reactions: Application to Synthesis of Antitumor Marine Alkaloids
Total Synthesis of Pumiliotoxin



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Lectures at ICR

Development of Catalytic Asymmetric Baylis Hillman Reaction and its Application to Natural Product Synthesis